

POSITIVE WAKEUP PHARMACEUTICAL SLEEP SYSTEM WITH COMPATIBLE PRE-BEDTIME ADMINISTRATION

ABSTRACT

A novel sleep regulating pharmaceutical formulation is introduced, typically implementing two principal drugs having actions which are reversive to one another, yet incorporated into a unitary solid dosage, and prepared for oral administration before bedtime. Usually, structure is configured to initially release a calmativ e or other sleep-compatible substance by prompt dissolution. The initial release is followed by a specific period of delay, which in basic formulations entails no release of any drug, and which allows a nominal interval of sleep. At the terminus of the delay, a final agent is released to induce wakeup. Incorporation of agents of opposite action within a unitary dosage form renders utility which is uniquely appropriate to the invention.

In a preferred embodiment, delay of release and final delivery of wakeup agent are arranged by a dialysis membrane which eventually bursts as a result of osmotic pressure generated by a hydrophilic core.